



Hyperspectral Infrared Camera

GASVIEWER GV-HS SERIES

Remotely detect, identify and monitor all detectable gases simultaneously over an extra large field of view with the revolutionary and unique GasViewer HyperSpectral Infrared systems.

DETECTORS

Knowing that different gases are detectable in different infrared bands, GasViewer-HS has developed different cameras able to cover most of the gas detections required. GV-HS exists under different versions:

- GV-HS LWIR from 8 to 12 μm
- GV-HS MWIR from 3 to 5 μm
- GV-AeroHS (an airborne solution)

WIDE FIELD OF VIEW

- Up to 60°x12° panorama field of view
- Up to 1km detection capability

EASY DEPLOYMENT

- By only 1 person
- Warm up time < 2min
- 24h /7 surveillance
- Working on battery

POWERFUL SOFTWARE

- Capacity to visualize the gas cloud on visible/infrared image
- Simultaneous detection of different kinds of gases
- Capacity to automatically generate alarms on gas detections

USER FRIENDLY

- Easy to select gas in database
- Capacity to add new gas very easily

LOW MAINTENANCE

- Once a year

Hyperspectral Infrared Camera

GASVIEWER GV-HS SERIES

GasViewer infrared hyperspectral cameras with very large field of view (up to 60°) can detect and identify numerous gases simultaneously up to 1km away from the cameras. Remote detection, identification, quantification, localization, and the visualization of gas chemical products, are essential needs in several industrial markets. Hyperspectral imagery offers incomparable capabilities to answer the needs of following markets:

- Civilian security (ex: chemical terrorist attacks in subways or stadiums)
- Strategic areas surveillance (state buildings,)
- Industrial monitoring (leak detection, process monitoring)
- Crisis monitoring & management (determine gas location and trajectory)
- Airborne (ex: pipeline leak detections)
- Chemical warfare detection:
(ex: Canadian call for tender 'ADIS', 32 systems, March 21)



GV-HS

CONTACT :

+33 4 65 260 760

contact@og-tech.fr

IMAGING PERFORMANCE				
Model	GV-HS 812	GV-HS-8012	GV-HS-3050	GV-AreoHS-812
NESR (mW/m ² /sr/μm)	< 50 @10μm	< 1 @8,66μm	< 1 @4,65μm	< 50 @10μm
NETD (mK)	< 100	< 6	< 20	< 100
Max FOV (tunable)	60 x 8°	60°x8°	60°x12°	60°x8°
Spectral Resolution	40nm to 120 nm	40nm to 120nm	40nm to 120nm	40nm to 120 nm
Acquisition Time	< 5sec	< 5sec	< 5sec	On the go
DETECTOR				
TYPE	Uncooled 640x480	Cooled 320x240	Cooled 640x512	Uncooled 640x280
SPECTRAL RANGE	8.0μm – 12μm	8.0μm – 12μm	3.0μm – 5.0μm	8.0μm – 12μm
POWER INPUT				
INPUT VOLTAGE	8-30VDC or 220VAC	24VDC or 220VAC	24VDC or 220VAC	8-30VDC or 220VAC
POWER	<100W	<100W	<100W	<100W
PHYSICAL CHARACTERISTICS				
CAMERAWEIGHT	12 kg	12kg	12kg	10kg
CAMERA SIZE (LXHXW)	50 x 27 x 23 cm	42 x 28 x 23 cm	50 x 27 x 23 cm	50 x 27 x 23 cm
COMMUNICATION INTERFACES				
INTERCONNECTION CABLE	Ethernet	Ethernet	Ethernet	Ethernet



GasViewer Infrared Hyperspectral Imaging Cameras
for gas remote detection

«We see, what you can't see»



www.og-tech.fr
contact@og-tech.fr



GasViewer



Oil and Gas Technologies

Do not hesitate to contact your local representative: